2.4 □□□□

1. □□□□□□

2. □□□□□□□□□□□□□ $a_n = a_m \cdot q^{n-m}$.

3. □□□□ $\{a_n\}$ □□□□

4. □□□□□□

□ $a_n^2 = a_{n-k}a_{n+k}(n > k > 0)$ □□□□□□□□□□□□□□□

5. □□□□□□□

□□□□□□□□ $m+n=p+q$, □ $a_m a_n = a_p a_k$.

□□□□□□□□□□□□□□

1.□□□□ $a, a(1-a), a(1-a)^2$□ **…**□□□□□□□ a□□□□□ ____

2.□□□□□□□□ **9**□□ $\frac{4}{9}$□□□□□ $\frac{1}{3}$□ $a_1 =$________

3.□□□□□□□□ $\frac{9}{8}$□□□□ $\frac{1}{3}$□□□□ $\frac{2}{3}$□□□□ $\boldsymbol{n}$□ ____

4.□□□□□□□□□□□□□□□□□□□□ “□□□” **.**□ $\{a_n\}$□□□□ **q**□□

□□□□□□□□□□□□□□□□□□□□□□□□ “□□□” □□□ ________□

□□□ **n**□□□ **1**□□□□ S_n□ $\{a_n\}$□□ **n**□□□

① S_1, S_2□ ② a_2, S_3; ③ a_1, a_m ④ q, a_m

5.□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ $q=$________

6.□ a_1□ a_2□ a_3□ a_4□□□□□□□□□ **2**□□ $\frac{2a_1 + a_2}{2a_3 + a_4}$□ ________.

7. [illegible] $\{a_n\}$ [illegible] $d \neq 0$ [illegible] a_1 [illegible] a_3 [illegible] a_9 [illegible] $\frac{a_1 + a_3 + a_9}{a_2 + a_4 + a_{10}} =$ ______

8. [illegible] $\{a_n\}$ [illegible] $a_5 \cdot a_6 = 9$ [illegible] $\log_3 a_1 + \log_3 a_2 + \dots + \log_3 a_{10} =$ ________

9. [illegible] 1 [illegible] 16 [illegible] ______

10. [illegible] $\{a_n\}$ [illegible] $a_3 a_4 a_6 a_7 = 81$, [illegible] $a_1 a_9 =$ __________

11. [illegible] $\{a_n\}$ [illegible] $\lg a_1 + \lg a_3 + \lg a_5 + \dots + \lg a_{2n-1} = n \lg a_n (n \in N^*)$

12. [illegible] $\{a_n\}$ [illegible] $a_n > 0$ [illegible] $a_2 a_4 + 2a_3 a_5 + a_5^2 = 16$ [illegible] $a_3 + a_5 =$

A. ± 4 **B.** 4 **C.** 2 **D.** 8

13. [illegible] $\{a_n\}$ [illegible] $a_4 \cdot a_7 = -512$ [illegible] $a_3 + a_8 = 124$ [illegible] $a_{10} =$ ______

14.□□9□a_1□a_2□□1□□□□□□□□□□□9□b_1□b_2□b_3□□1□□□□□□□□□□
□ $b_2(a_2□a_1)$□□ □.

A□8　B□□8　C□±8　D□$\frac{9}{8}$

15.□□□□1□□□□□a,b,c□□□□□□□$(2-\log_b a)(1+\log_c a)=$______

16.□□□□□□□□□□□□□□□□□ □.

A. □□□□□3□4□5　B. □□□□□1□$\sqrt{3}$□3

C. □□□□□□□□$\frac{\sqrt{5}-1}{2}$　D. □□□□□□□□$\frac{\sqrt{5}-1}{2}$

17.□□$a_1,\frac{a_2}{a_1},\frac{a_3}{a_2},\ldots$□$\frac{a_n}{a_{n-1}},\ldots$□□□□1□□□□2□□□□□□□$a_{100}=$______

□□□□□□□□□□□□□

1.□□□□$\{a_n\}$□□ $\lg a_n=3n+5$ □□□□□$\{a_n\}$□□□□□.

2.□□ a,b,c,d□□□□□□ $a+b,b+c,c+d$□□□□□□□ $a+b,b+c,c+d$□□□□

□.

3.□□□□□□□□$\{a_n\}$□$\{b_n\}$□□□$\{\frac{a_n}{b_n}\}$□□□□□□□□□□□□□□□□.

4.□□□ a□b□c□□□□□□□ 1□□□□□□□ $x>1$□□$\log_a x$□$\log_b x$□$\log_c x$□ □

A.□□□□□□□ B.□□□□□□□□□□□□

C.□□□□□□□ D.□□□□□□□□□□□□

5.□□□$\{a_n\}$□□ n□□□ S_n□□□□□□□□□ n□□ $S_n=2a_n-3n$,□ $b_n=a_n+3$.□

□□□□$\{b_n\}$□□□□□□□ a_n.

6.(1)□□□□$\{c_n\}$□□ $c_n=2^n+3^n$,□□□$\{c_{n+1}-pc_n\}$□□□□□□□ p□

(2)□□□$\{a_n\}$□$\{b_n\}$□□□□□□□□□□□ $c_n=a_n+b_n$,□□$\{c_n\}$□□□□□□□

(3) □□□□$\{a_n\}$□□□□□ 1□□□□□□□$\{a_n+1\}$□□□□□□.

□□□□□□□□□□□□□□□□□

1.□□ $\{a_n\}$□□□□□□□ a_1+1, a_3+3, a_5+5□□□□□ **q**□□□□□□ **q=**______

2. □□ $\{a_n\}$□□ **n**□□ $S_n=\frac{3n^2-n}{2}, n\in N^*$.□**1**□□ a_n□□**2**□□□□□□□□ $n>1$,□□

□ $m\in N^*$,□□ a_1, a_n, a_m□□□□□.

3.□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

$a+b+c=$______

1		**2**		
$\frac{1}{2}$		**1**		
		a		
			b	
				c

4.□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ **21**□

□□□□□□□□ **18**□□□□□□.

故这四个数为3,6,12,18或$\frac{75}{4},\frac{45}{4},\frac{27}{4},\frac{9}{4}$.

5.[illegible] $d(d \neq 0)$ [illegible] $\{a_n\}$ [illegible] **q** [illegible] $\{b_n\}$ [illegible]

$a_1 = b_1 = 1, a_2 = b_2, a_8 = b_3$.[illegible]**1**[illegible] **d, q** [illegible]**2**[illegible] **a, b** [illegible] $n \in N^*$, [illegible]

[illegible] $a_n = \log_a b_n + b$ [illegible]

6.[illegible] $\{a_n\}$ [illegible] $a_1 = 2$, [illegible] a_1, a_2, a_5 [illegible]**.**[illegible]**1**[illegible] a_n.[illegible]**2**[illegible] S_n [illegible] $\{a_n\}$ [illegible]

[illegible] **n** [illegible] **n,** [illegible] $S_n > 60n + 800$? [illegible] **n** [illegible]

[illegible]**.**

[illegible]

1.[illegible] **{**a_n**}** [illegible] $a_1 = 1, a_{n+1} = 2a_n + 1$, [illegible] a_n

2.[illegible] **{**a_n**}** [illegible] $a_1 = \frac{5}{6}, a_{n+1} = \frac{1}{3}a_n + (\frac{1}{2})^{n+1}$, [illegible] a_n

3. [illegible] **{**a_n**}** [illegible] $a_{n+1} = 2a_n + n^2 - 4n + 1$.

[illegible]**1**[illegible] $a_1 = 3$, [illegible] $f(n) = 2an^2 + bn + c(a, b, c \in R)$ [illegible] $\{a_n + f(n)\}$ [illegible]

[illegible] a_n [illegible]**2**[illegible] a_n [illegible] $\{b_n\}$ [illegible] **n** [illegible] b_n

□□□□

1.□**2013**□□□□□□□□$\{a_n\}$□□ $a_1=1, S_{n+1}=4a_n+2,$□ $a_{2013}=$________

$A.3019\times2^{2012}$ $B.3019\times2^{2013}$ $C.3018\times2^{2012}$ $D.$□□□□

2.□**2013**□□□□□□□□□□$\{a_n\}$□ $a_1=1, a_{n+1}=-a_n+n^2,$□ $a_n.$

3.(2013□□□□□□□□**)**□□□□$\{a_n\}$□□ $a_1=2, a_n=2(n+a_{n-1}), n\in N^*$□ $n\geq2,$□ a_n**.**

4.□□□□$\{a_n\}$□□□ $a_1=\frac{1}{2}, \frac{3(1+a_{n+1})}{1-a_n}=\frac{2(1+a_n)}{1-a_{n+1}}, a_na_{n+1}<0(n\in N^*)$**.**□□$\{b_n\}$□□□

$b_n=a_{n+1}{}^2-a_n{}^2(n\in N^*)$**.(1)**□ $a_n, b_n;$□**2**□□□□□□$\{b_n\}$□□□□□□□□□□□□□**.**